

Claims

[c1] What is claimed is:

1.An optical disc drive capable of adjusting disc-in and disc-out speeds comprising:

a housing;

an adjusting unit for adjusting a current or a voltage;

a motor for adjusting rotation speed based on the adjusted current or voltage; and

a roller driven by the motor for adjusting disc-in and disc-out speeds of a disc.

[c2] 2.The optical disc drive of claim 1 wherein the adjusting unit is a variable voltage source or a variable current source.

[c3] 3.The optical disc drive of claim 1 wherein the adjusting unit is software code stored in a memory.

[c4] 4.The optical disc drive of claim 1 being a CD-R, DVD-R, DVD+R, DVD-RW, DVD+RW, DVD-RAM, or HD-DVD drive.

[c5] 5.An optical disc drive capable of adjusting tray-in and tray-out speeds comprising:
a housing;

a tray for supporting a disc;
an adjusting unit for adjusting a current or a voltage;
a motor for adjusting rotation speed based on the adjusted current or voltage; and
a tray-driving device driven by the motor for adjusting tray-in and tray-out speeds based on the rotation speed of the motor.

- [c6] 6.The optical disc drive of claim 5 wherein the adjusting unit is a variable voltage source or a variable current source.
- [c7] 7. The optical disc drive of claim 5 wherein the adjusting unit is software code stored in a memory.
- [c8] 8.The optical disc drive of claim 5 being a CD-R, DVD-R, DVD+R, DVD-RW, DVD+RW, DVD-RAM, or HD-DVD drive.